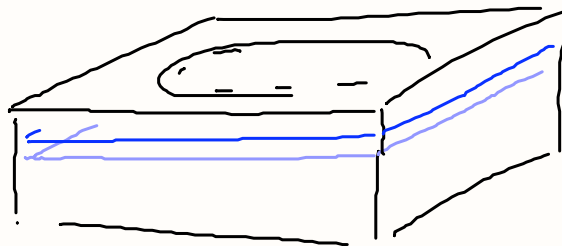


DISPLACEMENT AND DENSITY ch.10.5 p.535



DISPLACEMENT
VOLUME



$$\text{DENSITY} = \frac{\text{MASS}}{\text{VOLUME}}$$

$$\frac{\text{g}}{\text{cm}^3}$$

$$\frac{\text{kg}}{\text{m}^3}$$

#1 p. 536

$$V = l \cdot w \cdot h = 15 \cdot 15 \cdot 3 = 675 \text{ cm}^3$$
$$h = 3 \text{ cm}$$

#4 $V = 4 \cdot 8 \cdot 20 = 640 \text{ cm}^3$

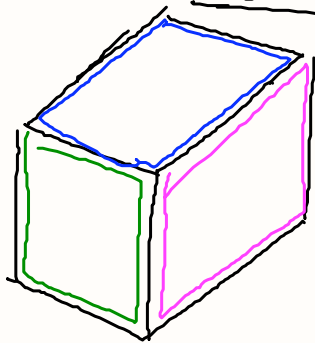
$$d_{\text{AL}} = 2.81 \frac{\text{g}}{\text{cm}^3}$$

$$m = d \cdot V = 2.81 \cdot 640 =$$
$$= 1798 \text{ g} =$$
$$= 1.798 \text{ kg}$$

$$\frac{\cancel{\text{cm}^3} \cdot \text{g}}{\cancel{\text{cm}^3}}$$

$$1000 \text{ g} = 1 \text{ kg}$$

ISOMETRIC DRAWING



p. 540-541

